5

10

15

25

WHAT IS CLAIMED IS:

- 1. A method for producing a monolayer polymeric film having improved strength and stiffness in the machine direction and in the transverse direction, the method comprising the steps of:
 - combining a primary polymeric structural material and a secondary polymeric material together to form a unitary mixture thereof;
 - b. directing said unitary mixture to extrusion means to create an extruded unitary mixture; and
 - c. directing said extruded unitary mixture to a plurality of stretching rollers for stretching of said extruded unitary mixture, wherein said plurality of stretching rollers includes one or more heat-stabilization rollers operated at a temperature sufficient to impart substantial stiffness and substantial flatness to said extruded unitary mixture without delamination and while controlling film curling.
- 2. The method as claimed in **Claim 1** wherein said one or more heat-stabilization rollers operates at a temperature of about 270° F.
- 3. The method as claimed in Claim 2 wherein said one or more heatstabilization rollers have a high-chrome finish of less than eight RMS.
 - 4. The method as claimed in **Claim 1** wherein the step of directing said extruded unitary mixture to a plurality of stretching rollers includes the steps of:
 - a. directing said extruded unitary mixture to a first casting chiller roller;
 - b. directing said extruded unitary mixture to a second casting chiller roller;
 - c. directing said extruded unitary mixture to a pair of pre-heater rollers;
 - d. directing said extruded unitary mixture to a plurality of stretching and orientation rollers; and
- e. directing said extruded unitary mixture to a first heat-stabilization roller and a second heat-stabilization roller of said one or more heat-stabilization rollers, wherein said first heat-stabilization roller and

10

15

25

said second heat-stabilization roller have independent driver controllers.

- 5. The method as claimed in **Claim 4** wherein said first heat-stabilization roller and said second heat-stabilization roller are at an operating temperature of about 270° F to about 295° F.
 - 6. The method as claimed in **Claim 5** wherein said primary polymeric structural material is polypropylene.
 - 7. The method as claimed in **Claim 6** wherein said secondary polymeric material is vinyl-acetate.
 - 8. The method as claimed in **Claim 7** wherein said vinyl-acetate is provided in an ethylene-vinyl-acetate copolymer.
 - 9. The method as claimed in **Claim 6** wherein said secondary polymeric material is methacrylate.
- 10. The method as claimed in Claim 5 wherein said primary polymeric structural material is polyethylene.
 - 11. The method as claimed in Claim 10 wherein said secondary polymeric material is vinyl-acetate.
 - 12. The method as claimed in Claim 11 wherein said vinyl-acetate is provided in an ethylene-vinyl-acetate copolymer.
- 13. The method as claimed in Claim 10 wherein said secondary polymericmaterial is methacrylate.

10

30

- **14**. A polymeric film having flexibility and clarity, the film comprising a blend of a structural polymeric material and a clarity-enhancing material.
- 15. The polymeric film as claimed in Claim 14 wherein said structural polymeric material is selected from the group consisting of polyethylene and polypropylene.
 - **16**. The polymeric film as claimed in **Claim 15** wherein said clarity enhancing material is styrene-ethylene-butadiene-styrene (SEB-S).
 - 17. The polymeric film as claimed in Claim 16 wherein said SEB-S is about 10% by weight of said blend.
- 18. The polymeric film as claimed in Claim 16 wherein said blend further includes a coloring additive.
 - 19. The polymeric film as claimed in **Claim 16** wherein said blend further includes a printable material additive.
- 20 20. The polymeric film as claimed in Claim 19 wherein said printable material additive is selected from the group consisting of vinyl-acetate and methylmethacrylate.
- 21. A shampoo bottle including a pliable film, the pliable film comprising a blend of polypropylene and styrene-ethylene-butadiene-styrene.
 - 22. An envelope having two or more layers spaced from one another to form a pocket therebetween, wherein at least one of said two or more layers is formed of a pliable film, the pliable film comprising a blend of polypropylene and styrene-ethylene-butadiene-styrene.